

APPENDIX VI

HTRW PRELIMINARY ASSESSMENT SCREENING

JUNE 2001

Hazardous, Toxic and Radioactive Waste (HTRW) Assessment

**COCKROACH BAY
Hillsborough County,
Florida**



**U.S. Army Corps
of Engineers
Jacksonville District**

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1.1 SUMMARY

A preliminary site assessment was conducted on the proposed dredged material disposal site located at Cockroach Bay, Hillsborough County, Florida. The hazardous and toxic waste evaluation revealed that the site is a former sand borrow pit with natural vegetation surrounding the former mined areas. Some of the area has been restored to wetlands and the restoration effort is continuing.

The dredged material would be used to supplement the restoration project need for additional soil. The site showed no evidence of hazardous or toxic waste. There was no stressed vegetation or discolored soil observed.

1.2 INTRODUCTION

1.2.1 Purpose

The goal of this site investigation is to identify *recognized environmental conditions*. This investigation indicates the presence or likely presence of any hazardous substances or petroleum products on a property and conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.

1.2.2 Special Terms and Conditions

The *recognized environmental conditions* that were considered throughout this investigation included hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2.3 Limitations and Exceptions of Assessment

This Phase I Environmental Site Assessment is composed of the following five components: 1) Records Review, 2) Aerial Photography Study, 3) Site Reconnaissance, 4) Interviews, 5) Report. The records review, aerial photography study, site reconnaissance, and interviews are intended to be used in concert with each other.

1.2.4 Limiting Conditions and Methodology Used

There were no limitations imposed by physical or other obstructions. The site visit conducted 22 January 1998, revealed that the site is currently controlled by the South Western Florida Water Management District (SWFMD). The site has limited access because the area is remote and SWFMD staff provided oversight on various restoration projects in progress.

1.3 SITE DESCRIPTION

1.3.1 Vegetation

A site reconnaissance and review revealed that the property surrounding the site consists of natural and planted vegetation. No distressed vegetation was observed.

1.3.2 Soils

The site consists of sandy soil typical of Hillsborough County. No discolored soil was observed.

1.3.3 Location and Legal Description

The dredged material disposal site is located at Cockroach Bay as shown in appendix A1 and A2.

1.3.4 Descriptions of Structures, Roads, Other Improvements on the Site (including heating/cooling system, sewage disposal, source of potable water)

The site is controlled by the South Western Florida Water Management District which has an office located in the vicinity of the disposal site. The property boundary consists of natural and recent re-vegetated nature preserve. The aerial photograph shows natural setting of the site as shown in A2. The record search maps shown in appendix A5, A6 and A7. These maps show the structures located in the vicinity of site.

1.3.5 Information (if any) Reported by Auditor Regarding Environmental Liens or Specialized Knowledge or Experience

No specialized knowledge is available for this site.

1.3.6 Current Uses of the Property

The site is currently being used to re-establish natural wetlands. The site visit of 22 January 1998 indicated a wildlife preserve could be maintained.

1.3.7 Past Uses of the Property (to the extent identified)

The site was used in the past as a sand mining pit. The lakes present in the area were created by sand removal mining operations. The borrow pit was abandoned when the mining operations were unfeasible and another pit was selected. The current dredged material disposal site was created by the mining operations.

1.3.8 Current and Past Uses of Adjoining Properties (to the extent identified)

By all indications observed throughout the site investigation, the adjoining properties are covered by natural wildlife and vegetation. The facilities are surrounded by a road, and natural vegetation.

1.3.9 Site Rendering, Map, or Site Plan

See Appendix A1 and A2.

1.4 RECORDS REVIEW

1.4.1 Standard Environmental Records Sources, Federal, State, and/or Local.

The following databases were reviewed: National Priority List (NPL), NPL Deletions, Resource Conservation and Recovery Information System, State Hazardous Waste Sites, Comprehensive Environmental Response, Compensation, Liability Information System, Corrective Action Report, Leaking Underground Storage Tanks (LUSTS), Underground Storage Tanks (USTs), Above Ground Storage Tanks (ASTs), RCRA Administrative Action Tracking System, Resource Conservation and Recovery System, Hazardous Material Information Reporting System, Florida Cattle Dip Tanks, Toxic Substance Control Act, Superfund Consent sites, and other miscellaneous related databases.

1.4.2 Physical Setting Source(s)

The quadrangle map A1, and aerial photograph A2 indicates the proposed dredged material disposal site.

1.4.3 Historical Use Information

The site was used in the past as a sand mining pit. The lakes present in the area were created by sand removal mining operations. The borrow pit was abandoned when the mining operations became unfeasible and another pit was selected.

1.4.4 Additional Record Sources

None

1.5 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

Mr. Peter Besrutschko, Jacksonville District, US Army Corps of Engineers (Corps) performed the site investigation on 22 January 1998. Access to the site is limited due the fact that the dredged material disposal site is controlled by the South Western Florida Water Management District.

1.5.1 Hazardous Substances in Connection with Identified Uses (including storage, handling, disposal)

No hazardous substances in connection with identified uses were observed.

1.5.2 Hazardous Substance Containers and Unidentified Substance Containers (including storage, handling, disposal)

No hazardous substance containers and unidentified substance containers were observed.

1.5.3 Storage Tanks (including contents and assessment of leakage or potential for leakage)

No storage drums/containers were observed on the site.

1.5.4 Indications of PCBs (including how contained and assessment of leakage or potential for leakage)

Not applicable.

1.5.5 Indications of Solid Waste Disposal

No recorded or physical data yielded any indications that the disposal of sanitary solid waste had occurred at any time at the proposed dredged material disposal site.

1.5.6 Physical Setting Analysis, if migrating Hazardous Substances are an issue

Migration of hazardous substances off-site is not a concern because the adjacent property is a natural wild life preserve.

1.5.7 Any Other Conditions of Concern

An air conformity determination is not required because location of the project area is within the air attainment area.

1.6 FINDINGS AND CONCLUSIONS

A Phase I Hazardous and Toxic Waste Assessment was conducted in conformance with the scope and limitations of ASTM Practice E 1527; of the proposed dredge material disposal site located at Cockroach Bay, Hillsborough County, Florida. The site visit, conducted 22 January 1998, found the site to be free of hazardous and toxic materials and waste. The property surrounding the building did not have discolored soil or stressed vegetation.

In summary, the dredged material disposal site and surrounding property was found to be free of any hazardous or toxic waste.

**PRELIMINARY ASSESSMENT SCREENING (PAS)
STATEMENT OF FINDINGS**

REAL PROPERTY TRANSACTION: A preliminary site assessment was conducted on the proposed dredged material disposal site. It is proposed to use the dredged material as a source of soil for the wetlands restoration effort.

COMPREHENSIVE RECORD SEARCH: A comprehensive record search was conducted on 26 March 1998. This search reviewed the following databases: National Priority List, Resource Conservation and Recovery Information System, State Hazardous Waste, Comprehensive Environmental Response, Compensation and Liability Information, Petroleum Contamination Detail Report, Facility/Owner/Tank Report, RCRA Administrative Action Tracking System, RCRA Information System, Hazardous Materials Information Reporting System, PCB Activity Database System, Emergency Response Notification System, Toxic Chemical Release Inventory System, Toxic Substances Control Act, Florida Sites, Florida Cattle Vat database, and CERCLA Consent Degrees. The database review indicated no hazardous or toxic wastes or materials present at or in the vicinity of the Cockroach Bay site.

SITE INVESTIGATION: Mr. Peter Besrutschko, Jacksonville District, US Army Corps of Engineers (Corps) performed the site investigation on 22 January 1998. Access to the site is limited because the site is controlled by South Western Florida Water Management District. The database search revealed no hazardous or toxic waste problems exist at the site. The adjacent properties were also found to be free of hazardous or toxic wastes.

In conclusion, the dredged material disposal site at Cockroach Bay was found to be free of any hazardous and toxic waste.

Signed:

Date:

Prepared by: P. H. Besrutschko
Environmental Engineer, US Army Corps of Engineers

Signed:

Date:

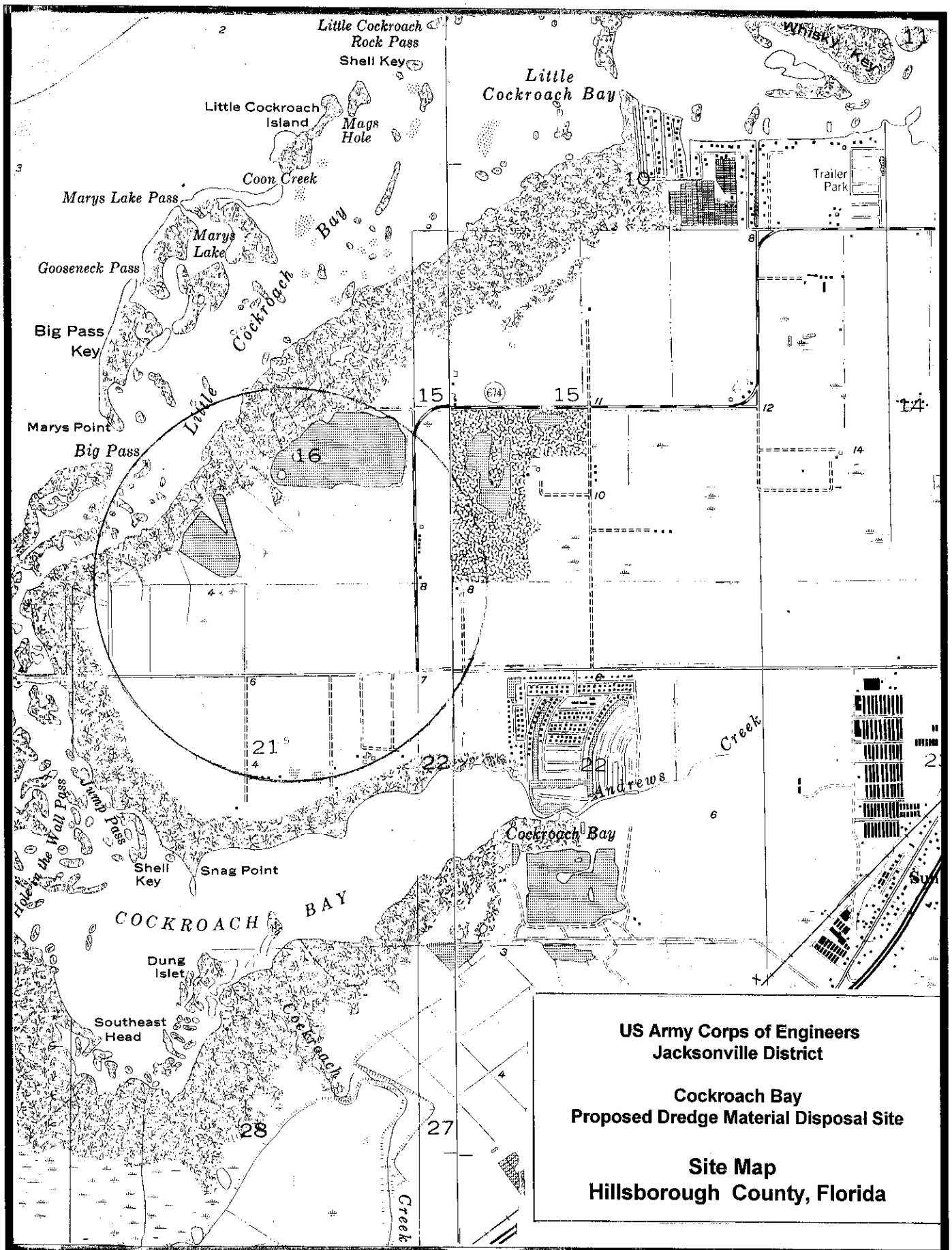
Reviewed by: B. B. Cintron .
Team Leader, South Florida Section, US Army Corps of Engineers

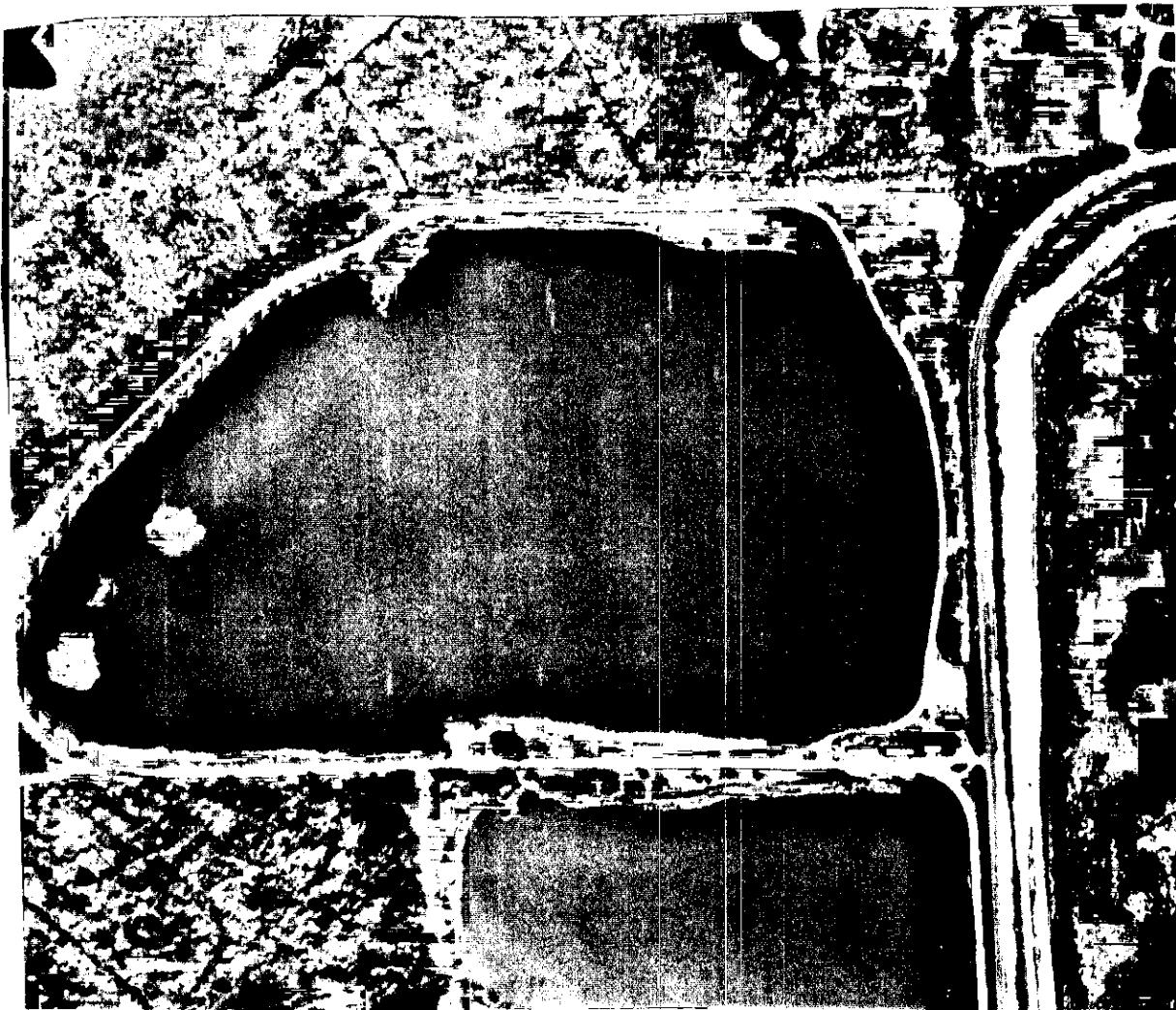
Signed:

Date:

Approved by: H. K. Smith
Chief, Env. Resources Branch, US Army Corps of Engineers

1.7 APPENDICES

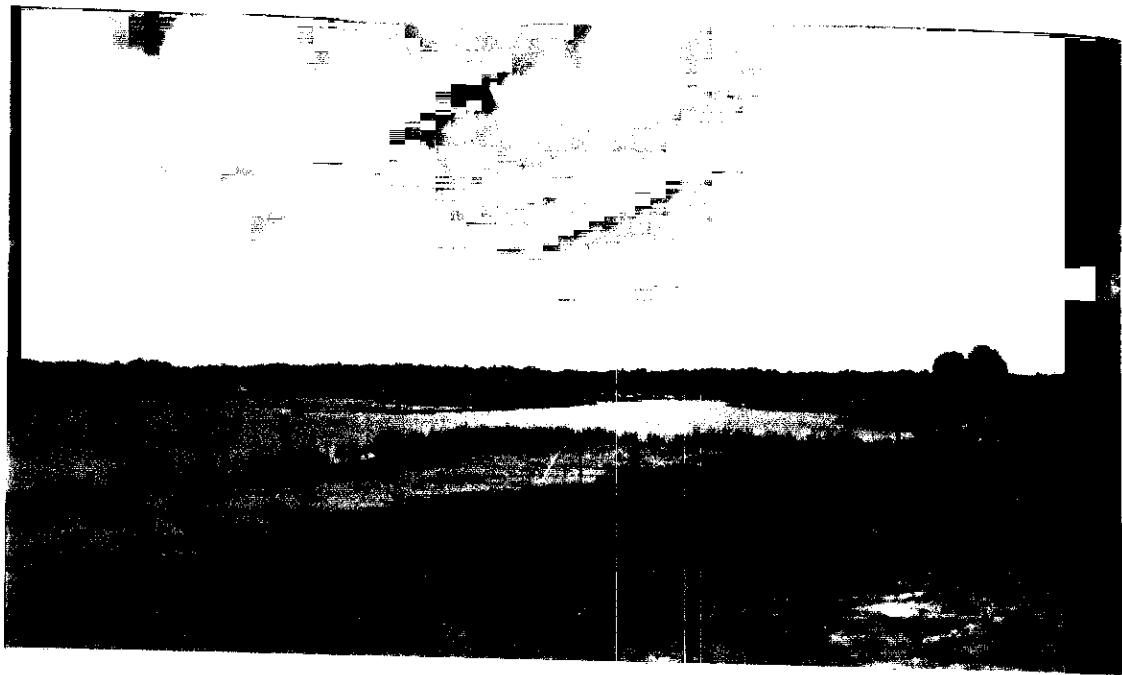




US Army Corps of Engineers
Jacksonville District

Preliminary Assessment Screening
Cockroach Bay Proposed Dredge
Material Disposal Site
Aerial Photograph

Hillsborough County, Florida



**US Army Corps of Engineers
Jacksonville District**

**Cockroach Bay
Proposed Dredge Material Disposal Site**

**Site Photos
Hillsborough County, Florida**

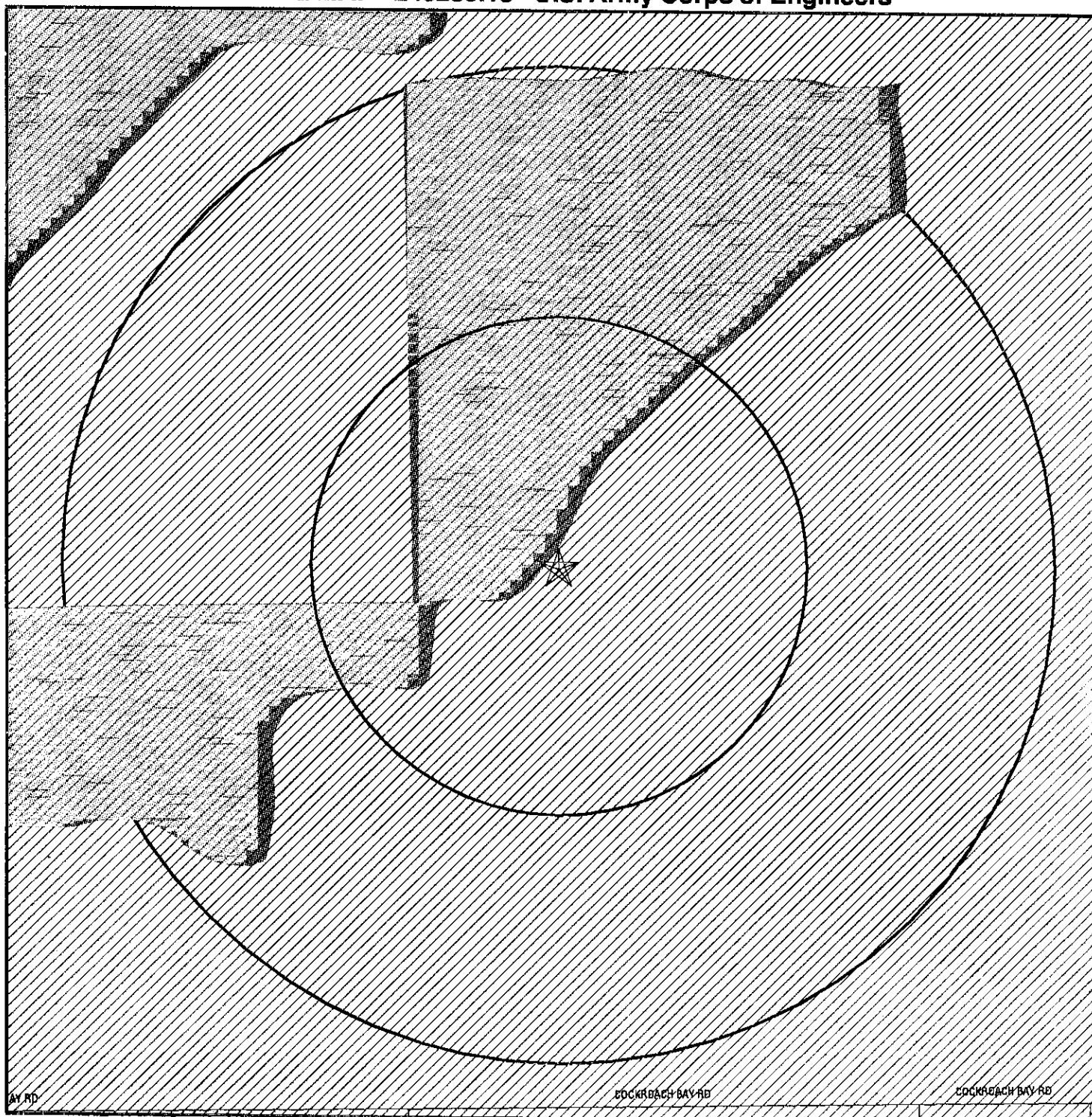


**US Army Corps of Engineers
Jacksonville District**

**Cockroach Bay
Proposed Dredge Material Disposal Site**

**Site Photos
Hillsborough County, Florida**

DETAIL MAP - 240280.1s - U.S. Army Corps of Engineers



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (If requested)
- ⚡ Sensitive Receptors
- National Priority List Sites
- Landfill Sites

- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

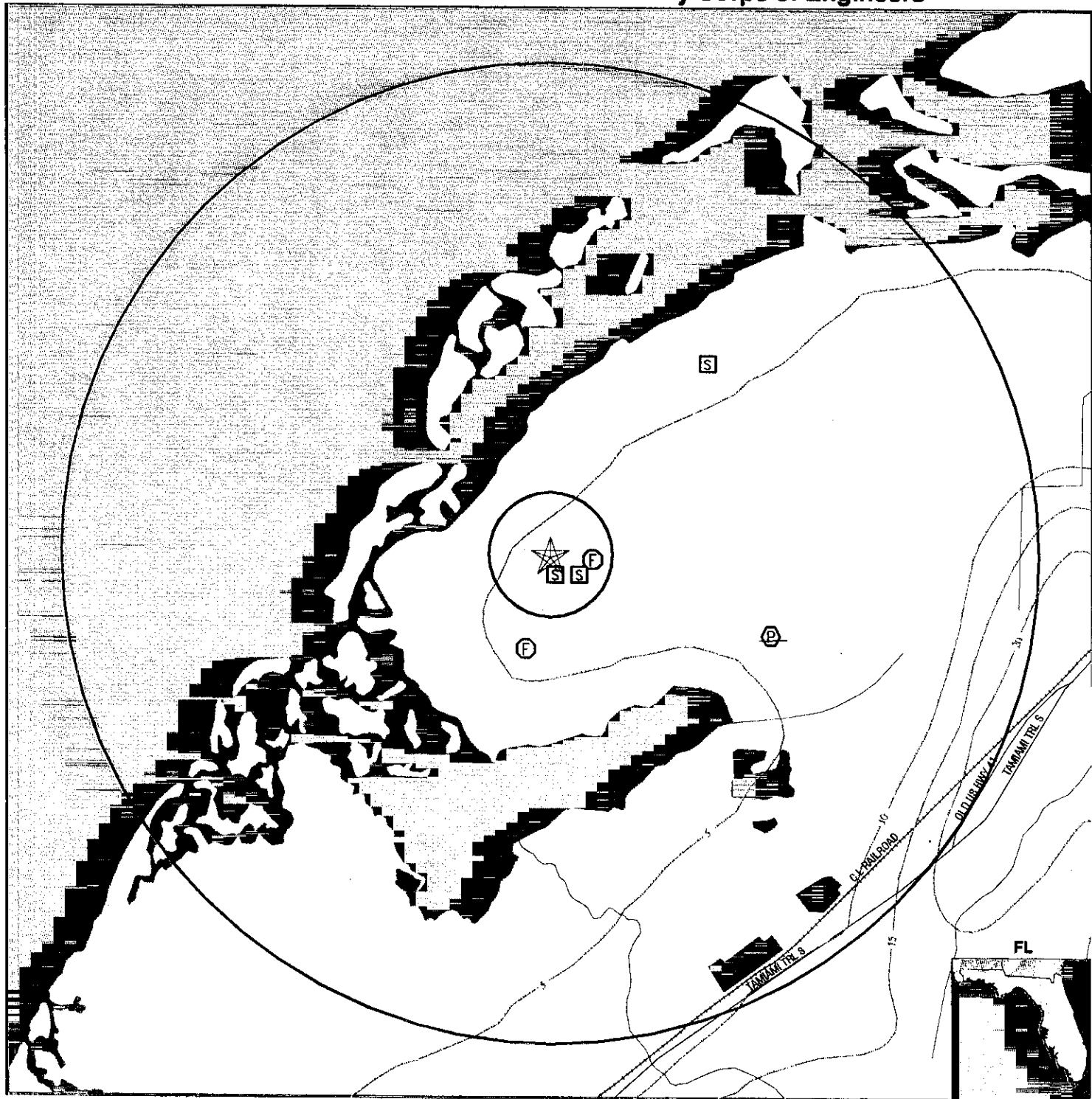


A5

TARGET PROPERTY: Cockroach Bay
 ADDRESS: Cockroach Bay
 CITY/STATE/ZIP: Sun City FL 33570
 LAT/LONG: 27.6909 / 82.5086

CUSTOMER: U.S. Army Corps of Engineers
 CONTACT: Peter Besrutschko
 INQUIRY #: 240280.1s
 DATE: March 26, 1998 12:42 pm

TOPOGRAPHIC MAP - 240280.1s - U.S. Army Corps of Engineers



- Major Roads
- Contour Lines
- Waterways
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well

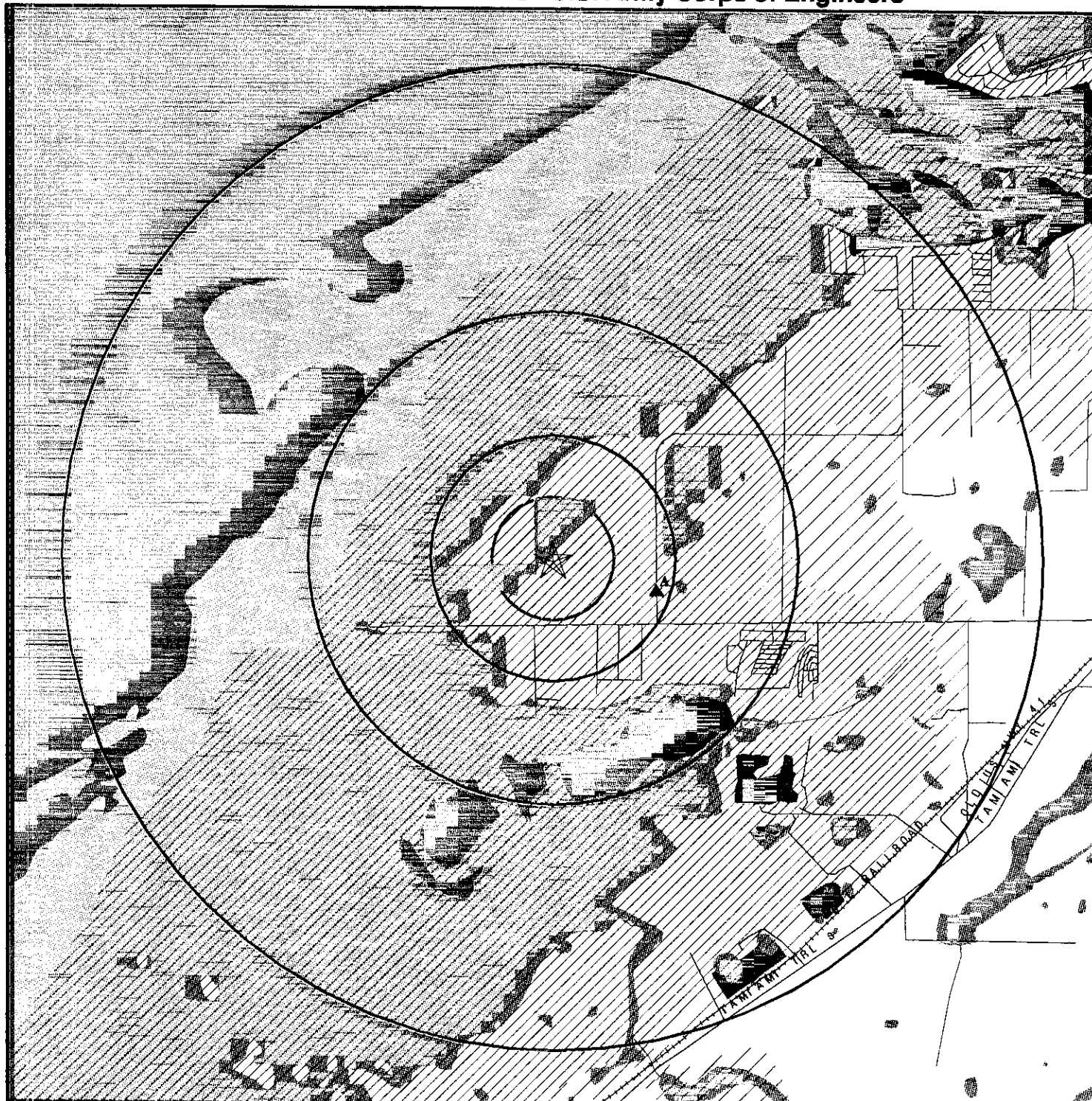
● Sink holes

A6

TARGET PROPERTY: Cockroach Bay
 ADDRESS: Cockroach Bay
 CITY/STATE/ZIP: Sun City FL 33570
 LAT/LONG: 27.6909 / 82.5086

CUSTOMER: U.S. Army Corps of Engineers
 CONTACT: Peter Besrutschko
 INQUIRY #: 240280.1s
 DATE: March 26, 1998 12:43 pm

OVERVIEW MAP - 240280.1s - U.S. Army Corps of Engineers



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites

- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

A7

TARGET PROPERTY: Cockroach Bay
ADDRESS: Cockroach Bay
CITY/STATE/ZIP: Sun City FL 33570
LAT/LONG: 27.6909 / 82.5086

CUSTOMER: U.S. Army Corps of Engineers
CONTACT: Peter Besrutschko
INQUIRY #: 240280.1s
DATE: March 26, 1998 12:40 pm